

Figure 1: Overall Configuration of SoD Service System with Direct Cabling between Host I/O Controllers and I/O Ports

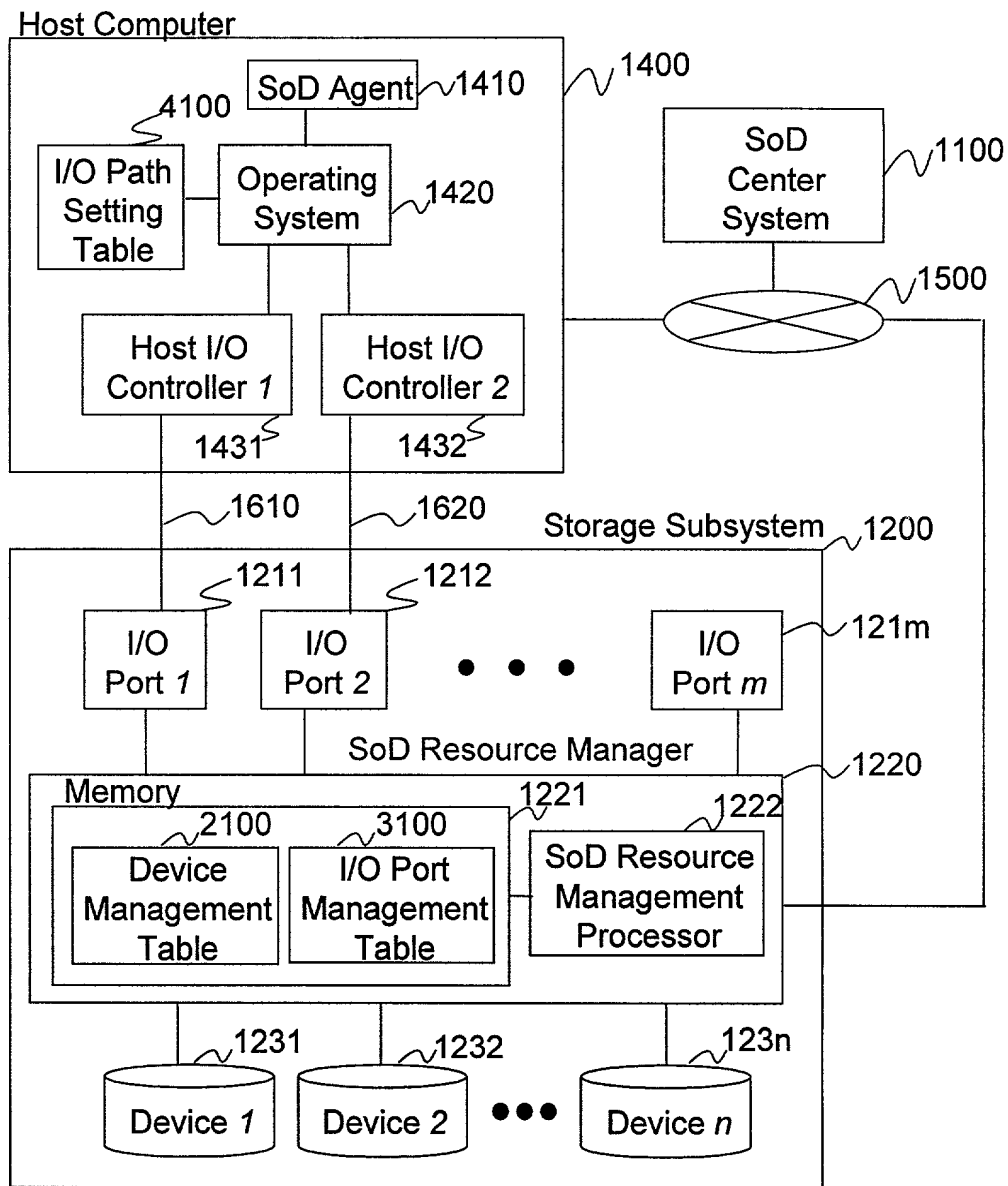


Figure 2: Device Management Table (Scenario 0)

| 2101 Device No. | 2102 Installation Status | 2103 SoD Status | 2104 Size |
|--------------------|-----------------------------|--------------------|--------------|
| 1 | Installed | Usable | 500 GB |
| 2 | Installed | Usable | 500 GB |
| 3 | Installed | Un-Usable | 250 GB |
| 4 | Installed | Un-Usable | 250 GB |
| 5 | Un-Installed | N/A | N/A |
| ⋮ | | | |
| n | Un-Installed | N/A | N/A |

Figure 3: I/O Port Management Table (Scenario 0)

| 3101 I/O Port No. | 3102 Installation Status | 3103 SoD Status | 3104 Device No. |
|----------------------|-----------------------------|--------------------|--------------------|
| 1 | Installed | Usable | 1, 2 |
| 2 | Installed | Un-Usable | Un-Allocated |
| 3 | Un-Installed | N/A | N/A |
| ⋮ | | | |
| m | Un-Installed | N/A | N/A |

Figure 4: I/O Path Setting Table (Scenario 0)

| I/O Path No. | Host I/O Controller No. | I/O Port No. |
|--------------|-------------------------|--------------|
| 1 | 1 | 1 |
| 2 | Un-Defined | N/A |
| 3 | Un-Defined | N/A |

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Figure 5: Processing Flow of SoD Center System

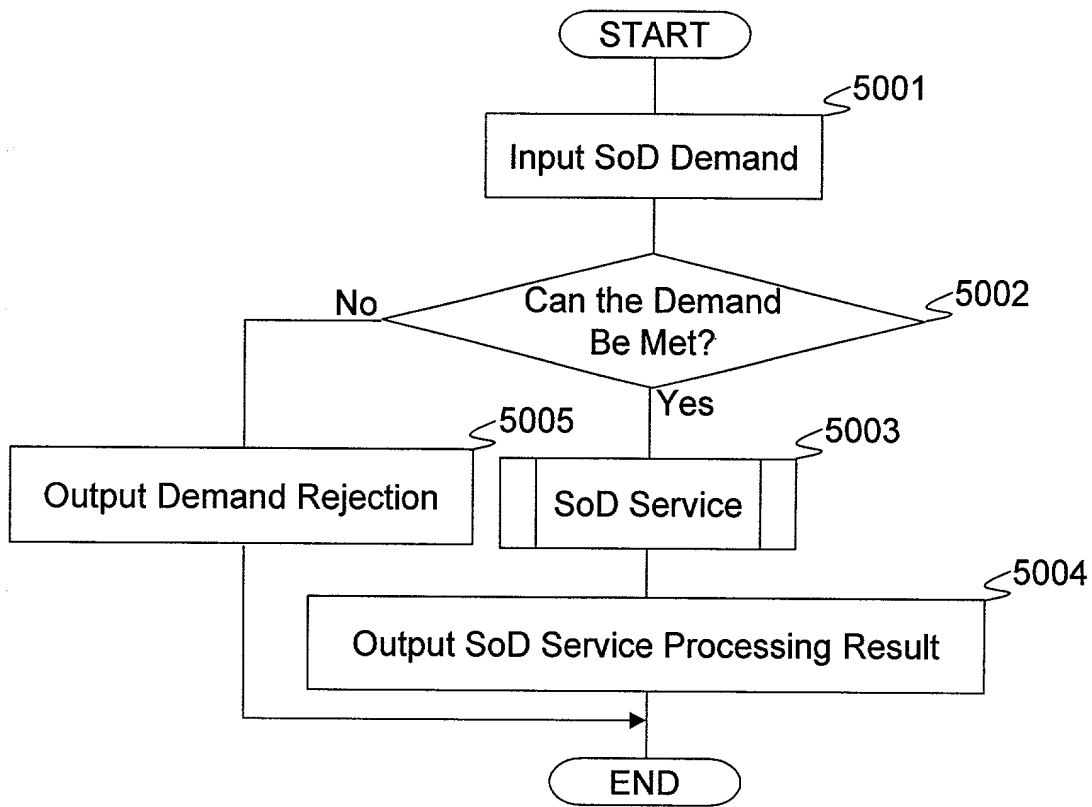


Figure 6: Processing Flow of SoD Service Module

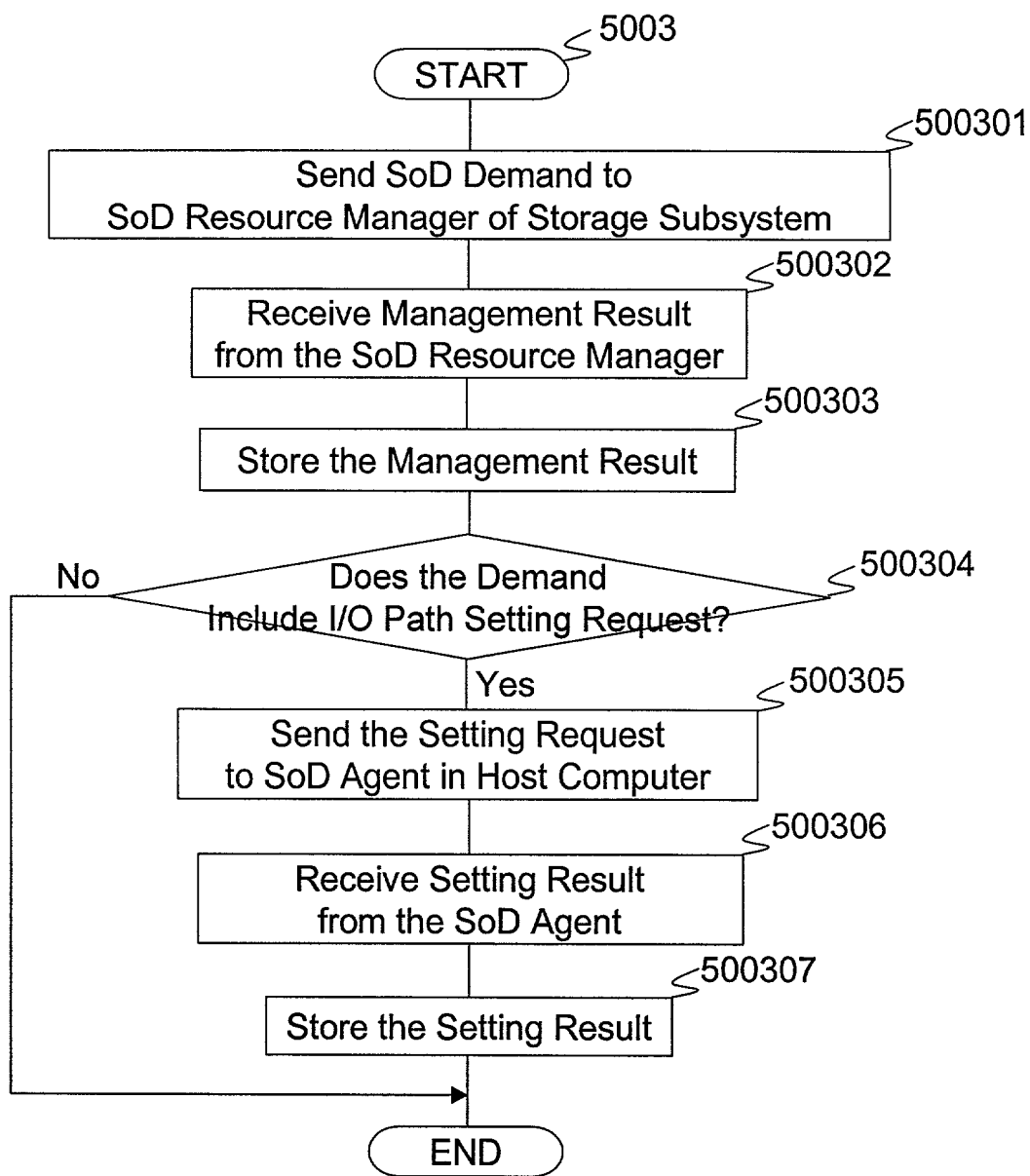


Figure 7: Processing Flow of SoD Resource Manager
(Updating Resource Management Tables)

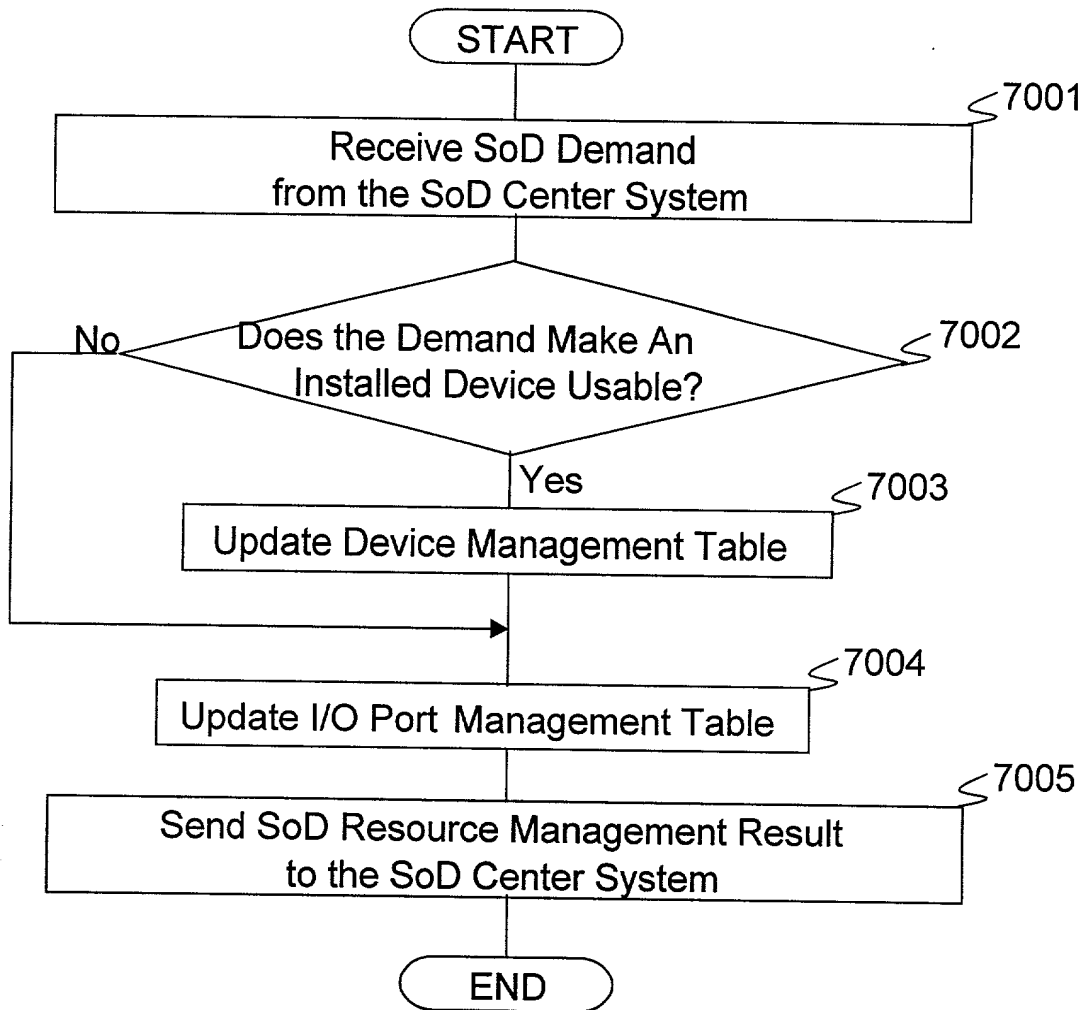


Figure 8: Processing Flow of SoD Resource Manager
(Using Management Tables to Manage Resources)

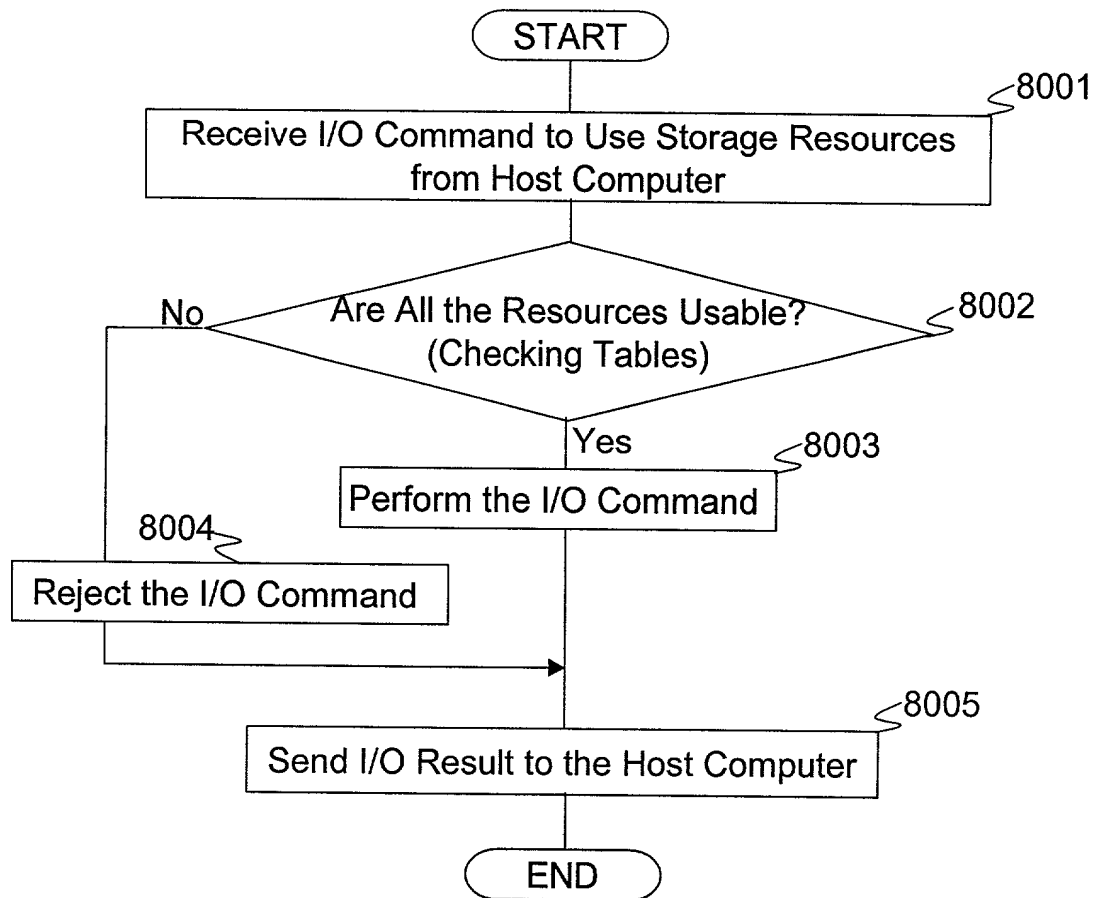


Figure 9: Processing Flow of SoD Agent

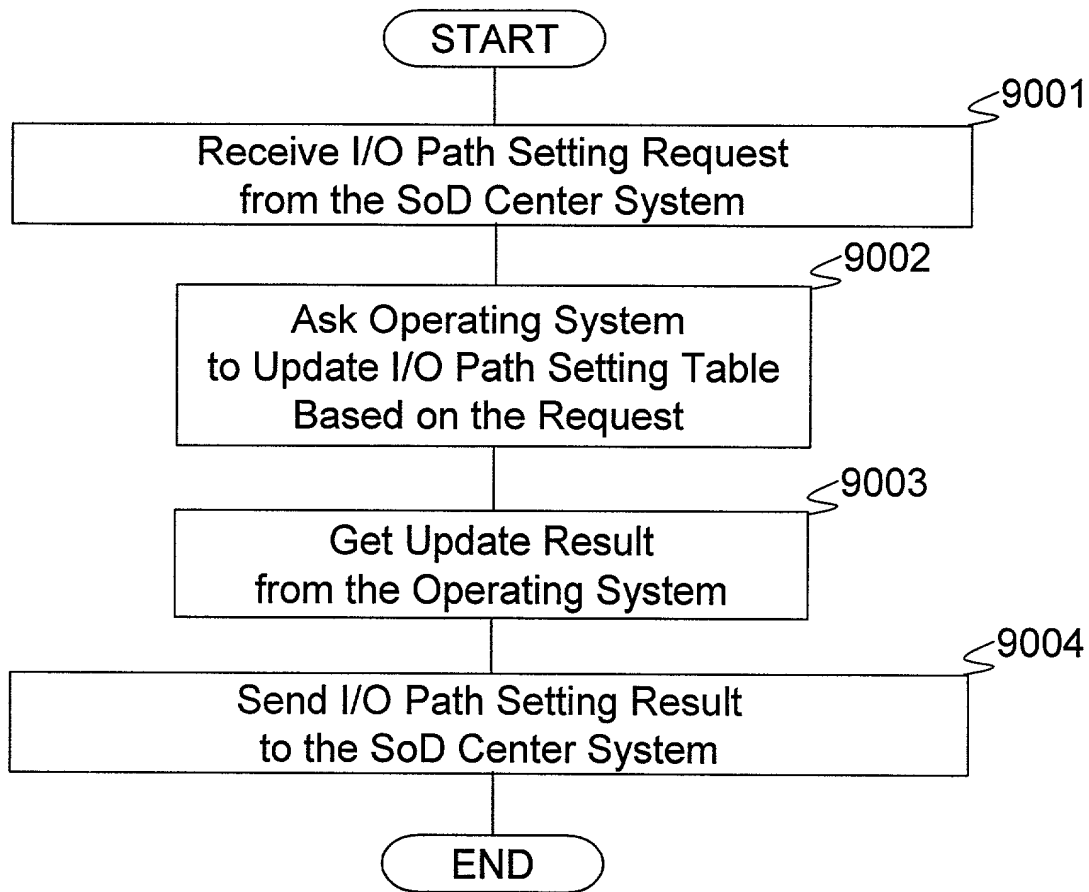


Figure 10: GUI of SoD Demand Input
(Scenario 0 → Scenario 1)

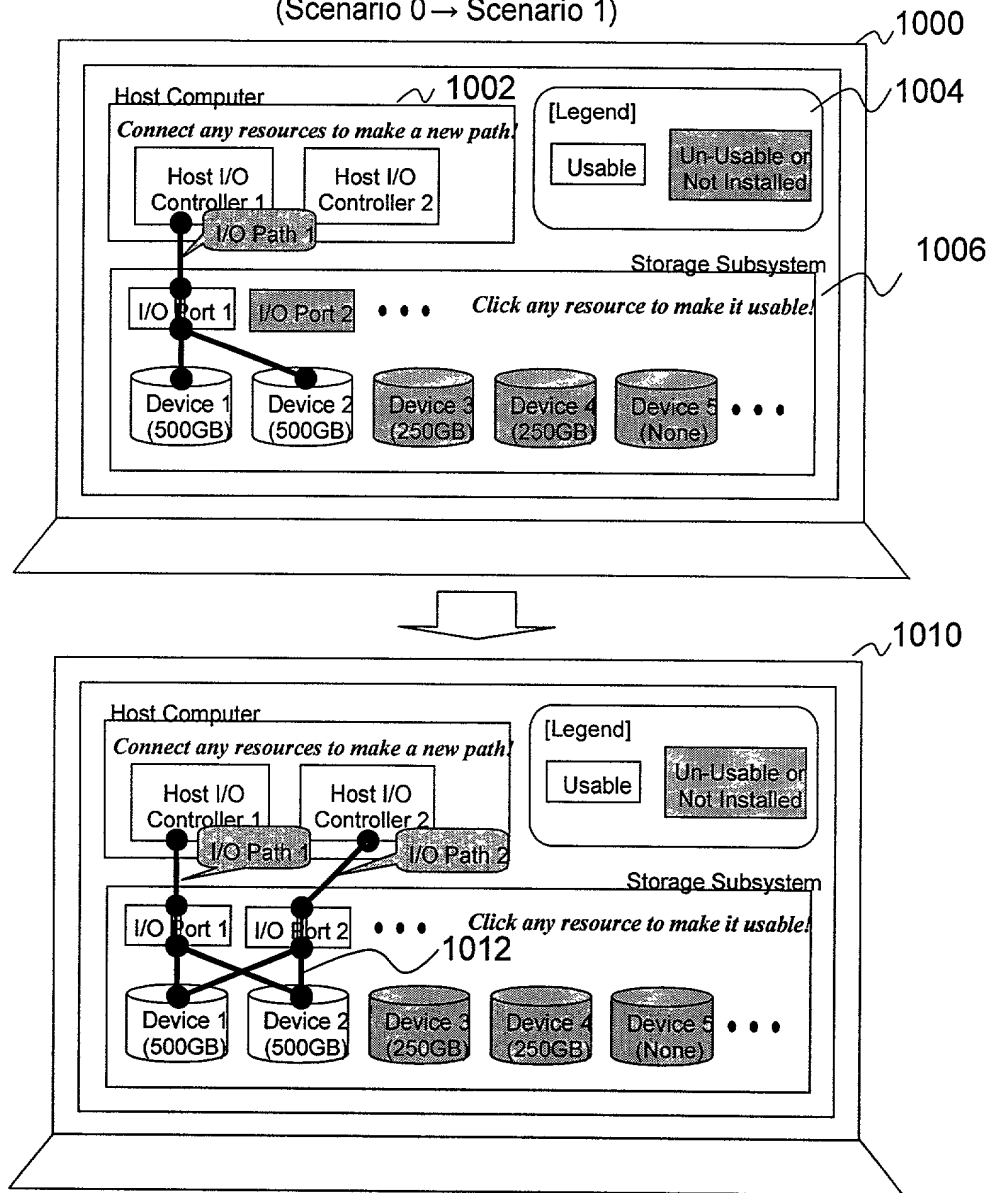


Figure 11: I/O Port Management Table
(Scenario 0 → Scenario 1)

| I/O Port No. | Installation Status | SoD Status | Device No. |
|--------------|---------------------|------------|------------|
| 1 | Installed | Usable | 1, 2 |
| 2 | Installed | Usable | 1, 2 |
| 3 | Un-Installed | N/A | N/A |
| ⋮ | | | |
| m | Un-Installed | N/A | N/A |

Figure 12: I/O Path Setting Table
(Scenario 0 → Scenario 1)

| I/O Path No. | Host I/O Controller No. | I/O Port No. |
|--------------|-------------------------|--------------|
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | Un-Defined | N/A |
| ⋮ | | |

Figure 13: GUI of SoD Demand Input
(Scenario 0 → Scenario 2)

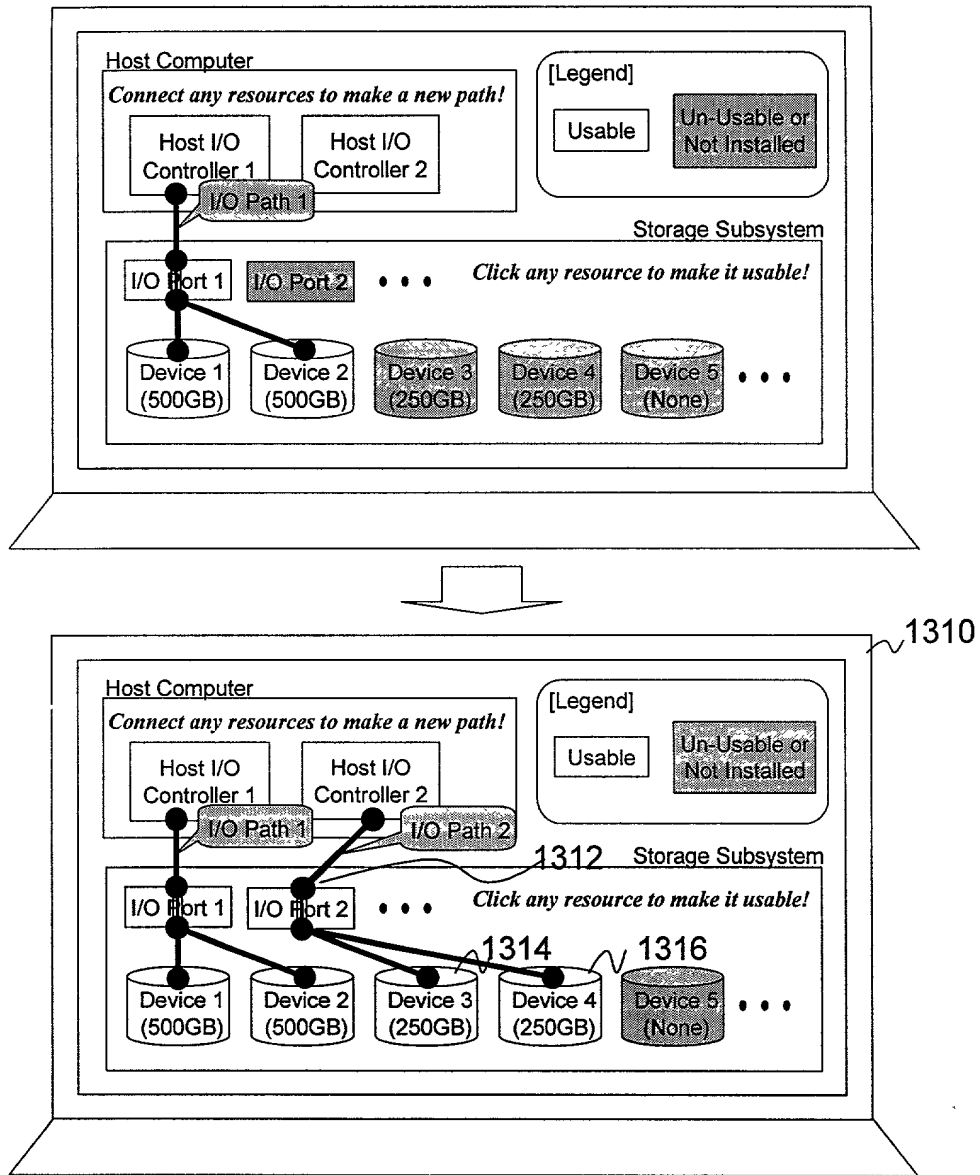


Figure 14: Device Management Table
(Scenario 0 → Scenario 2)

| 2101 Device No. | 2102 Installation Status | 2103 SoD Status | 2104 Size | 2100 |
|--------------------|-----------------------------|--------------------|--------------|------|
| 1 | Installed | Usable | 500 GB | |
| 2 | Installed | Usable | 500 GB | |
| 3 | Installed | Usable | 250 GB | |
| 4 | Installed | Usable | 250 GB | |
| 5 | Un-Installed | N/A | N/A | |
| ⋮ | | | | |
| n | Un-Installed | N/A | N/A | |

Figure 15: I/O Port Management Table
(Scenario 0 → Scenario 2)

| 3101 I/O Port No. | 3102 Installation Status | 3103 SoD Status | 3104 Device No. | 3100 |
|----------------------|-----------------------------|--------------------|--------------------|------|
| 1 | Installed | Usable | 1, 2 | |
| 2 | Installed | Usable | 3, 4 | |
| 3 | Un-Installed | N/A | N/A | |
| ⋮ | | | | |
| m | Un-Installed | N/A | N/A | |

Figure 16: I/O Path Setting Table
(Scenario 0 → Scenario 2)

| I/O Path No. | Host I/O Controller No. | I/O Port No. |
|--------------|-------------------------|--------------|
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | Un-Defined | N/A |

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Figure 17: Overall Configuration of SoD Service System with FC Switch between Host Computers and Storage Subsystems

